

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000372

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01W 1/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01W

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 9800736 A1 (ALKA ELECTRONIC APS), 8 January 1998 (08.01.1998), page 4, line 9 - line 36; page 9, line 29 - page 12, line 5, claims 1,2 --	1-12
X	US 5016196 A (D.A.NELSON ET AL), 14 May 1991 (14.05.1991), column 1, line 62 - column 2, line 7; column 5, line 67 - column 6, line 29 --	1-12
X	WO 03027719 A1 (VAISALA OYJ), 3 April 2003 (03.04.2003), page 4, line 30 - page 5, line 7 --	1-12

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

26 October 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03027720 A1 (VAISALA OYJ), 3 April 2003 (03.04.2003), page 3, line 8 - page 4, line 21; page 10, line 4 - page 15, line 14 --	1-12
A	US 4245499 A (VAN DY NGUYEN ET AL), 20 January 1981 (20.01.1981), column 2, line 17 - line 68 --	1-12
A	US 4747041 A (G.L.ENGEL ET AL), 24 May 1988 (24.05.1988), abstract --	1-12
A	US 4780843 A (D.L.TIETJEN), 25 October 1988 (25.10.1988), abstract --	1-12
A	US 4698748 A (D.L.JUZSWIK ET AL), 6 October 1987 (06.10.1987), abstract -- -----	1-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

01/10/2004

International application No.

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WO	9800736	A1	08/01/1998	AU	3254697 A	21/01/1998
				DK	72796 A	03/01/1998
US	5016196	A	14/05/1991	NONE		
WO	03027719	A1	03/04/2003	FI	20011875 A	23/06/2003
WO	03027720	A1	03/04/2003	EP	1430331 A	23/06/2004
				FI	20011876 A	23/06/2003
US	4245499	A	20/01/1981	BE	877347 A	15/10/1979
				CH	642171 A	30/03/1984
				DE	2831840 A	07/02/1980
				FR	2431692 A,B	15/02/1980
				GB	2026178 A,B	30/01/1980
				IT	1122200 B	23/04/1986
				IT	7924399 D	00/00/0000
				NL	7905515 A	22/01/1980
US	4747041	A	24/05/1988	NONE		
US	4780843	A	25/10/1988	JP	1826715 C	28/02/1994
				JP	5027140 B	20/04/1993
				JP	60116018 A	22/06/1985
US	4698748	A	06/10/1987	CA	1229875 A	01/12/1987
				DE	3486192 A,T	09/09/1993
				EP	0140814 A,B	08/05/1985
				SE	0140814 T3	
				ES	536542 A	01/10/1985
				ES	8507710 A	16/12/1985
				JP	1781504 C	13/08/1993
				JP	4069465 B	06/11/1992
				JP	60143050 A	29/07/1985